C	A	gene	В		
				D	•
	•				

HL with stem length 6bp: -7,8 kcal/mol

A U C U U-A G-C U-A C-G A-U

5'-....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

HL with stem length 7bp

-8,6 kcal/mol
C A

A U
U C
U-A
U-A
C-G
G-C
U-A
C-G
A-U

5'-....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

Figure 2 (continued)

HL with stem length 4 bp

-4,1 kcal/mol

U U

A U

A-U

U-A

C-G

5'-....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

A-U

HL with stem length 5 bp

-4,4 kcal/mol
U A
U U
U-A
G-C
U-A
C-G
A-U

5'-....AGGAGAUAUACCAUG ACUAGCAAAGGAGAA... -3'

HL with stem length 8 bp

-14,8 kcal/mol

U

G-C

C-G

A-U

C-G

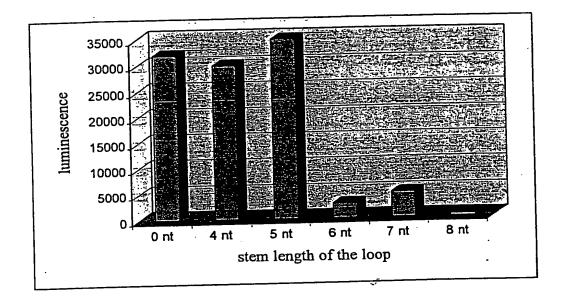
G-C

U-A

C-G

A-U

Figure 3



HL with stem length 8 bp, 6 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-....AGGAGAUAUACCAUGACUAGC AAAGGAGAA...-3'

HL with stem length 8 bp, 9 bases after start ATG

G A U U G-C C-G A-U C-G G-C U-A C-G A-U

5'-....AGGAGAUAUACCAUGACUAGCAAA GGAGAA... -3'

HL with stem length 8 bp, 12 bases after start ATG

GAUG-C C-G A-U C-G G-C U-A C-G A-U

Figure 4 (continued)

5'-....AGGAGÁUAUACCAUGACUAGCAAAGGA GAA... -3'

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-....AGGAGAUAUACCAUGACUAGCAA A GGAGAA... -3'

HL with stem length 8 bp, 12 bases after start.

- ATG:

- ATG:

- ATG:

- ATG:

- G-C

C-G

A-U

C-G

G-C

U-A

C-G

A-U

5'-....AGGAGAUAUACCAUGACUAGCAAAGGA GAA... -3'

Figure 4 (continued)

HL with stem length 8 bp, 15 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G
A-U

5'-....AGGAGAUAUACCAUGACUAGCAAAGGAGAA GAA... -3'

HL with stem length 8 bp, 18 bases after start ATG GAU

U U G-C C-G A-U C-G G-C U-A C-G

A-U

5'-....AGGAGAUAUACCAUGACUAGCAAAGGAGAAAGAA CTT...-3'

HL with stem length 8 bp, 21 bases after start ATG

G A
U U
G-C
C-G
A-U
C-G
G-C
U-A
C-G

A-U

Figure 5

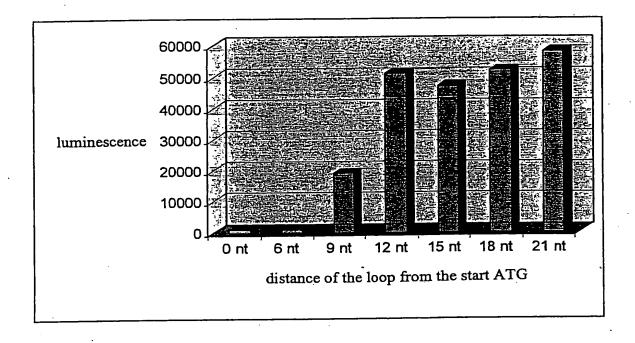


Figure 6

Lane 1-9 = mutant 9-1 Lane 1 corresponds to the wild-type sequence

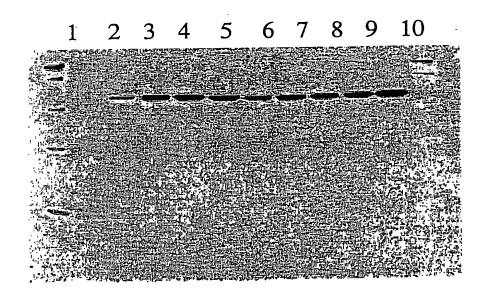


Figure 7

GFP/1049

Lanes 1,2 = mutant 1,2 GFP without loop, Lanes 3,4 = mutant 1,2 GFP with loop

Lane 5 corresponds to the GFP wild-type sequence. Lanes 6,7 = mutant

1,2 1049 without loop. Lanes 8,9 = mutant 1,2 1049 with loop. Lane 10

corresponds to the 1049 wild-type sequence.



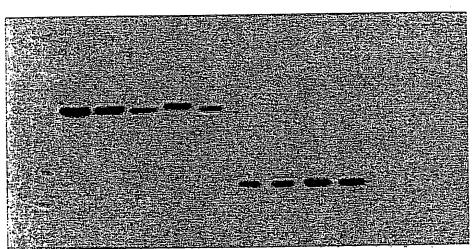
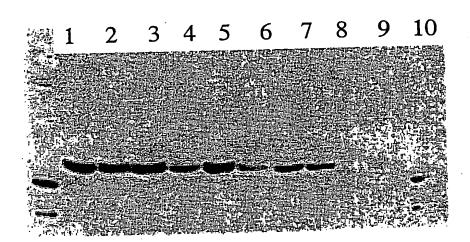


Figure 8

Survivin

Lanes 1-9 = mutant 1-9. Lane 10 corresponds to the wild-type sequence



GFP

Lanes 1-9 = mutant 1-9. Lane 10 corresponds to the wild-type sequence

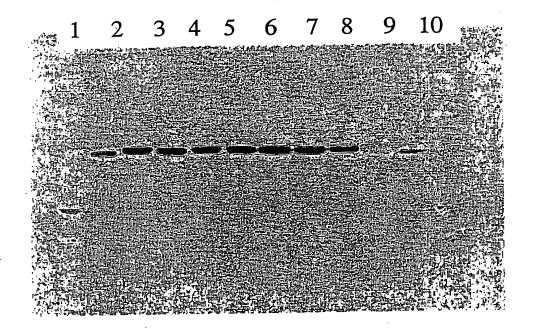


Figure 10

GFP/1049

Lanes 1,2 = mutant 1,2 GFP without loop. Lanes 3,4 = mutant 1,2 GFP with loop.

Lane 5 corresponds to the GFP wild-type sequence. Lanes 6,7 = mutant 1,2 1049 without loop. Lanes 8,9 = mutant 1,2 1049 with loop. Lane 10 corresponds to the 1049 wild-type sequence.



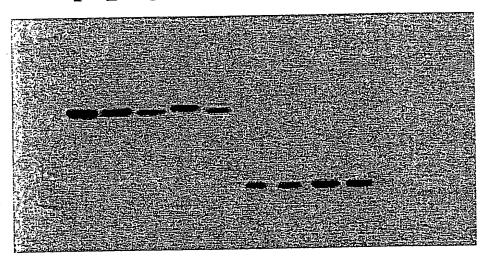


Figure 11

CIITA/Survivin

Lane 1 corresponds to the CIITA wild-type sequence. Lanes 2,3 = mutant 1,2 CIITA with loop. Lanes 4,5 = mutant 1,2 CIITA without loop. Lane 6 corresponds to the survivin wild-type sequence. Lanes 7,8 = mutant 1,2 survivin with loop. Lanes 9,10 = mutant 1,2 survivin without loop.

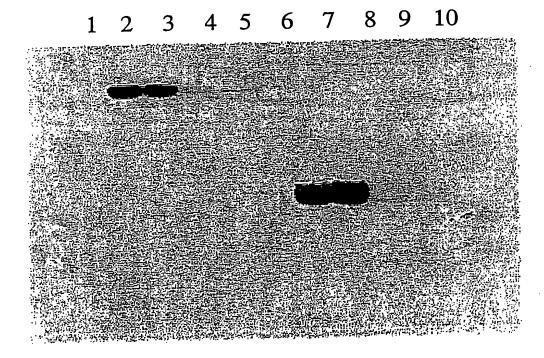


Figure 12

İ	Loop
I	G A
١	\mathbf{T}
	G-C
	C-G
	A-T
	C-G
	G-C
1	T-A
l	C-G

•
•
-:
•

16/16

Figure 13

1049/Survivin(CIITA loop and loop' variants

Lane 1 1049 mutant 1 loop, lane 2 mutant 1 loop', lane 3 corresponds to the 1049 wild-type sequence; lane 4 survivin mutant 1 loop, lane 5 mutant 1 loop', lane 6 corresponds to the survivin wild-type sequence; lane 7 CIITA mutant 1 loop, lane 8 mutant 1 loop', lane 9 corresponds to the CIITA wild-type sequence

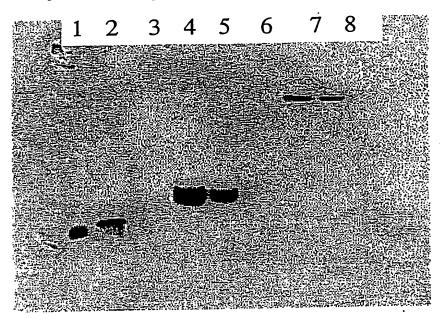


Figure 14

